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CLAIMS:

- 1. A method comprising:
- evaluating a load mismatch criterion relative to a wireless transmitter; and configuring a power amplifier associated with the wireless transmitter as a
- 4 function of the load mismatch criterion.
 - 2. The method of claim 1, further comprising:
- detecting a transmitted power signal and a reflected power signal; and calculating the load mismatch criterion as a function of the transmitted and reflected power signals.
- The method of claim 2, further comprising separating a power signal into
 the transmitted power signal and the reflected power signal.
 - 4. The method of claim 1, wherein configuring the power amplifier comprises configuring a gain of the power amplifier.
 - 5. A method comprising:
- receiving at least one of a transmitted power signal level and a reflected power signal level from a power amplifier associated with a wireless transmitter; and
- 4 configuring a gain of the power amplifier as a function of the transmitted and reflected power signal levels.
- 6. The method of claim 5, further comprising detecting at least one of a transmitted power signal and a reflected power signal.
- 7. The method of claim 6, further comprising separating a power signal into
 2 the transmitted power signal and the reflected power signal.

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8. A processor readable medium containing processor executable instructions
2 for:
evaluating a load mismatch criterion relative to a wireless transmitter; and

configuring a power amplifier associated with the wireless transmitter as a function of the load mismatch criterion.

9. The processor readable medium of claim 8, containing further processor executable instructions for:

receiving a transmitted power signal level and a reflected power signal level;

4 and

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calculating the load mismatch criterion as a function of the transmitted and reflected power signals.

- 10. The processor readable medium of claim 8, containing further processor
 2 executable instructions for configuring a gain of the power amplifier.
- 11. A processor readable medium containing processor executable instructions2 for:

receiving at least one of a transmitted power signal level and a reflected power

signal level from a power amplifier associated with a wireless transmitter; and

configuring a gain of the power amplifier as a function of the transmitted and

reflected power signal levels.

- 12. A wireless communication device comprising:
- 2 a wireless transmitter;

a power amplifier to output a signal from the wireless transmitter; and a controller to configure the power amplifier as a function of a load mismatch criterion determined from the signal.

13. The wireless communication device of claim 12, wherein the controller configures a gain of the power amplifier as a function of the load mismatch criterion.

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- 14. The wireless communication device of claim 12, wherein the controller is
 2 configured to calculate the load mismatch criterion as a function of a transmitted power signal level and a reflected power signal level determined from the signal.
- 15. The wireless communication device of claim 12, further comprising a
 2 dual-directional coupler to separate the signal into a transmitted power signal component and a reflected power signal component.
 - 16. The wireless communication device of claim 15, further comprising: a first power detector coupled to receive the transmitted power signal component and configured to generate a transmitted power signal level; and a second power detector coupled to receive the reflected power signal component and configured to generate a reflected power signal level.
- 17. The wireless communication device of claim 16, wherein at least one of2 the first and second power detectors comprises a broadband power detector.
- 18. The wireless communication device of claim 16, wherein the controller is
 2 configured to receive the transmitted and reflected power signal levels.
 - 19. An integrated circuit comprising:
- a power amplifier to output a signal from a wireless transmitter; and
 a controller to configure the power amplifier as a function of a load mismatch
 criterion determined from the signal.
- 20. The integrated circuit of claim 19, wherein the controller configures a gain
 2 of the power amplifier as a function of the load mismatch criterion.
- 21. The integrated circuit of claim 19, wherein the controller is configured to
 2 calculate the load mismatch criterion as a function of a transmitted power signal level and a reflected power signal level determined from the signal.

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- 22. The integrated circuit of claim 19, further comprising a dual-directional
 coupler to separate the signal into a transmitted power signal component and a reflected power signal component.
 - 23. The integrated circuit of claim 22, further comprising:
- a first power detector coupled to receive the transmitted power signal component and configured to generate a transmitted power signal level; and
- 4 a second power detector coupled to receive the reflected power signal component and configured to generate a reflected power signal level.
 - 24. The integrated circuit of claim 23, wherein at least one of the first and second power detectors comprises a broadband power detector.
- 25. The integrated circuit of claim 23, wherein the controller is configured to receive the transmitted and reflected power signal levels.
 - 26. An apparatus comprising:
- a power amplifier;
 - a dual-directional coupler to separate a power signal into a transmitted power
- 4 signal component and a reflected power signal component;
 - a first power detector to generate a transmitted power signal level;
- a second power detector to generate a reflected power signal level; and
 - a control arrangement to configure the power amplifier as a function of the
- 8 transmitted and reflected power signal levels.
 - 27. An apparatus comprising:
- a power amplifier;
 - a directional coupler to extract a reflected power signal component from a
- 4 power signal;
 - a reverse power detector to generate a reflected power signal level; and

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a control arrangement to configure the power amplifier as a function of the reflected power signal level.

28. An apparatus comprising:

- 2 a wireless transmitter;
 - a power amplifier to output a signal from the wireless transmitter; and
- 4 a controller configured to
 - evaluate a load mismatch criterion relative to the wireless transmitter, and
- 6 configure the power amplifier as a function of the load mismatch criterion.
 - 29. The apparatus of claim 28, wherein the controller is further configured to:
- detect a transmitted power signal and a reflected power signal; and

calculate the load mismatch criterion as a function of the transmitted and

- 4 reflected power signals.
 - 30. An apparatus comprising:
- 2 means for evaluating a load mismatch criterion relative to a wireless transmitter; and
- 4 means for configuring a power amplifier associated with the wireless transmitter as a function of the load mismatch criterion.
 - 31. The apparatus of claim 30, further comprising:
- 2 means for detecting a transmitted power signal emitted by an antenna associated with the wireless transmitter and a reflected power signal reflected by the antenna toward
- 4 the power amplifier; and
 - means for calculating the load mismatch criterion as a function of the
- 6 transmitted and reflected power signals.
- 32. The apparatus of claim 31, further comprising means for separating a
- 2 power signal into the transmitted power signal and the reflected power signal.

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- 33. The apparatus of claim 30, further comprising means for configuring a
- 2 gain of the power amplifier.
 - 34. An apparatus comprising:
- 2 means for receiving at least one of a transmitted power signal level and a reflected power signal level from a power amplifier associated with a wireless
- 4 transmitter; and

means for configuring a gain of the power amplifier as a function of the

- 6 transmitted and reflected power signal levels.
 - 35. The apparatus of claim 34, further comprising means for detecting at least one of a transmitted power signal and a reflected power signal.
- 36. The apparatus of claim 35, further comprising means for separating a power signal into the transmitted power signal and the reflected power signal.